

What is claimed is:

1. A hand-held communication electronic apparatus having two slidable keypads comprises:

5 a circuit board having a central processing unit, which locates in an appropriate position inside said electronic apparatus;

a main housing whose surface has a display screen connecting to said circuit board and a plurality of control keys;

10 a first sliding keypad which is combined with said main housing by means of a first rail enabling said first sliding keypad to be stored behind and parallel to said main housing and be slid out from the bottom of said main housing in one direction to expose keys located on said first sliding keypad;

15 a second sliding keypad which is combined with said first sliding keypad by means of a second rail enabling said second sliding keypad to be stored behind and parallel to said first sliding keypad and be slid out from the bottom of said first sliding keypad in another direction other than said direction to expose keys located on said second sliding keypad.

2. The hand-held communication electronic apparatus according to claim 1, wherein said circuit board has a display control unit which controls the image and the direction thereof shown on said display screen.

20 3. The hand-held communication electronic apparatus according to claim 2, wherein a first sensor device is installed between said main housing and said first sliding keypad and is connected to said display control unit for sending a control signal to said display control unit to adjust the image and the direction thereof shown on said display screen in cooperating with the operation direction of said first sliding keypad while said first sliding keypad being pulled out from the bottom of said main housing.

30 4. The hand-held communication electronic apparatus according to claim 2, wherein a second sensor device is installed between said first sliding keypad and said second sliding keypad and is connected to said display control unit for sending another control signal to said display control unit to adjust the image and the direction thereof shown on said display screen in cooperating with the operation direction of said second sliding keypad while said second sliding keypad being pulled out from the bottom of said first sliding keypad.

35 5. The hand-held communication electronic apparatus according to claim 1, wherein said hand-held communication electronic apparatus could be a mobile phone.

6. The hand-held communication electronic apparatus according to claim 1, wherein said hand-held communication electronic apparatus could be a personal digital assistant having communication functions of a mobile phone.

5 7. The hand-held communication electronic apparatus according to claim 1, wherein said first sliding keypad matches the requirement of the CCITT keypad standard.

8. The hand-held communication electronic apparatus according to claim 1, wherein said second sliding keypad could be a standard keypad.

10 9. The hand-held communication electronic apparatus according to claim 1 further comprising at least one output/input port at an appropriate position on said main housing.

10. The hand-held communication electronic apparatus according to claim 9, wherein said output/input port matches universal serial bus specification and is connected to said central processing unit.